

## **PARCC Practice!**

### **Adding and Subtracting Fractions**

**Directions:** Read each problem carefully. Read and consider all of the solutions before making your selections. Show your work where necessary.

1. Solve the problem below.

$\frac{2}{3}$  ,  $\frac{1}{2}$  and  $\frac{5}{12}$

Leah incorrectly added the fractions  $\frac{2}{3}$  ,  $\frac{1}{2}$  and  $\frac{5}{12}$  . She said that to add fractions with different denominators, you use the common denominator and add the numerators. Leah's work is shown.

$$\frac{2}{3} + \frac{1}{2} + \frac{5}{12}$$

$$\frac{2 + 1 + 5}{12}$$

$$\frac{8}{12}$$

- What is Leah's mistake?

- Find the correct value of  $\frac{2}{3} + \frac{1}{2} + \frac{5}{12}$

2. Diana works at a clothing store. She sold  $\frac{1}{5}$  of the total number of green shirts on Monday and  $\frac{3}{12}$  of the total number of green shirts on Tuesday.

**4. Part A**

What fraction of green shirts did Diana sell on Monday and Tuesday?

- Ⓐ  $\frac{8}{13}$
- Ⓑ  $\frac{4}{17}$
- Ⓒ  $\frac{5}{36}$
- Ⓓ  $\frac{27}{60}$

**Part B**

Diana sold  $\frac{2}{15}$  of the total number of green shirts on Wednesday. What is the difference in the fraction of the total number of green shirts that were sold on Tuesday and Wednesday?

- Ⓐ  $\frac{7}{60}$
- Ⓑ  $\frac{5}{27}$
- Ⓒ  $\frac{1}{3}$
- Ⓓ  $\frac{1}{12}$